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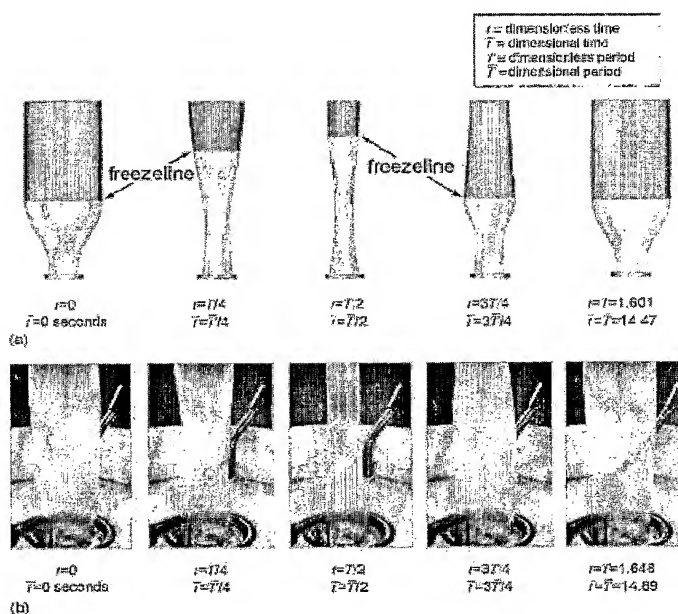
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(54) Title: A METHOD FOR SOLVING TRANSIENT SOLUTION AND DYNAMICS IN FILM BLOWING PROCESS



(57) Abstract: The present invention concerns the dynamics and yielding of transient solutions for the film-blowing process. After solving the governing equations that takes into consideration the viscoelasticity and cooling characteristics of the film, a coordinate transformation was done to change the free-end-point problem into a fixed- end-point one. Then finally, by introducing Newton's method along with OCFE (Orthogonal Collocation on Finite Elements) , a transient solution for the process was obtained.



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